

“Wastewater containing peracetic acid in connection with washing food containers such as aseptic filling”

Example of use in a total wastewater treatment facility at a food or drink factory

Peroxide and peracetic disinfectants are in wide use for disinfection of polyethylene drink bottles, equipment, and aseptic areas of filling rooms.

In such food-related manufacturing plants, wastewater containing hydrogen peroxide and/or peracetic acid is discharged, and negative impacts of this on the environment and in MTI's wastewater treatment facilities is unavoidable.

The mainstream decomposition methods for peracetic acid in previous use included treatment with reducing agents such as thioacetate soda and sodium bisulfite soda, but

treatment with Asc Super has entered wide use in recent years due to its major advantages in terms of cost and environmental impact.

Peracetic acid wastewater

Hydrogen peroxide wastewater

Raw water tank

Reduction treatment tank

Peracetic acid mist

Hydrogen peroxide mist

Scrubber

Alkaline water

Reducing agent

Caustic soda → decreased use